

(FDD 28151)

Ganglionic Blocking Agents II\* Biequaternary  
Salts Derived From 1, 5-Dimino, 3-Thiopentane,  
by M. Borovjekin, M. Protiva, 8 pp.

CZECH, no per, Chemicke Listy, Vol XLVIII(1954)  
(78), No 9, Prague, Sep 1954, pp 1374-1377.

CIA/PDD U-8759

39,665

EEUR - Czech  
Sci - Medicine  
Oct 56

Synthetic Analogs of Curare Alkaloids VII. Two  
New Models of Tubocurarine and Two Other Bis-  
Quaternary Ammonium Salts, by Miroslav Protiva,  
Milos Borovicka, Lena Cimler, Zdenek Sedivy, 12 pp.

CZECH, per, Chem Listy, Vol L, No 12, Prague,  
1956, pp 1988-1994.

US JPRS/DC-L-970

Sci - Chemistry

75, 76

Physical and Perceptual Identification  
of Czech Vowels, by B. Borovickova. LIP-  
CZICKI, JAR, Slahopisný Obzor, Vol. 2,  
No. 1, 1931, pp. 107-108. P. 10X1030  
PPD-TT-3-363

Sci-Behavioral Soc Sci  
Jan 67

315, 321

129

Investigation of the process of heat  
transfer and pressure drop in fluidized  
counterflow heat exchangers. by  
Serevik, Sizanilov.  
U.S.S.R. pat. Ukrains'kiy Fiz. Zhur.,  
vol. 14, No. 4, p. 745-754.

1964

1964

Borovik

129-345  
1964

Construction of a Practical Temperature Scale in  
the Range 10-90 K, by A. S. Borovik, Romanov, et al.

RUSSIAN, per, Izmeritel Tekh, Vol XII, 1959, p 28.

DSIR LU M.1823  
(loan)

Sci - Phys

Oct 60

128, 825

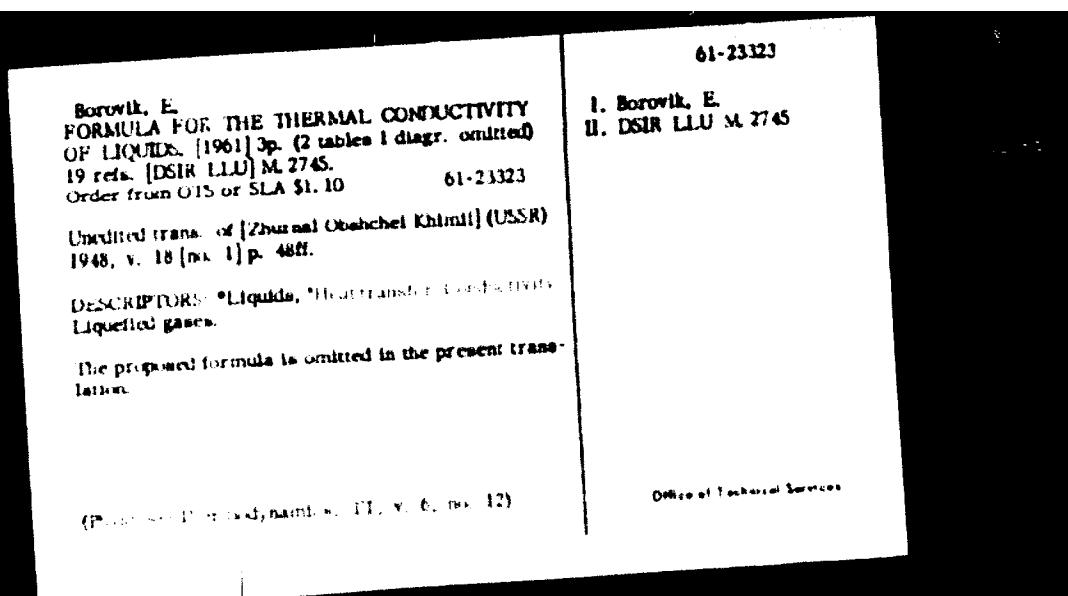
Concerning the Application of a High-Frequency Generator to the Quantitative Spectral Analysis of Solutions, by C. A. Borovik,  
T. F. Borovik-Romanova, 3 pp.

ROSSIAN, per, Dok Ak Nauk SSSR, Vol LXIII,  
No 4, 1959, p 683. (1950 ?)

SLA 60-19920

Sci  
Vol IV, No 8  
23 May 62

196,922



<p>Borovik, E., Marveev, A., and Panina, E. HEAT CONDUCTIVITY OF LIQUID NITROGEN, CARBON MONOXIDE, METHANE AND ETHYLENE. [1961] 4p. 7 refs. Order from OTS or SLA \$1.10</p> <p>Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1940, v. 10, no. 12, p. 988-998.</p> <p>DESCRIPTORS: Ethylenes, Methanes, Carbon compounds, Monoxides, "Heat transfer, "Liquefied gases, Nitrogen.</p> <p>The heat conductivity of liquid nitrogen and carbon monoxide were determined within the temperature interval of from -196 to -160°C., of methane from -170 to -100°C. and of ethylene from -160 to 0°C. The heat conductivity of all these substances was found to decrease in proportion to the rise of the temperature. (Physics--Thermodynamics, TT, v. 6, no. 9) (over)</p>	<p>61-18111</p> <p>L. Borovik E. IL Marveev, A. IL Panina, E.</p> <p>61-18111</p> <p>Office of Technical Services</p>
---	---

Investigation of the Process of Heat Transfer  
and Pressure Drop in Coil-Pipe Counterflow Heat  
Exchangers, by S.S. Barovik, I.P. Mikhailov,  
RUSSIAN, per, Ukrains'kyi Fizichyi Zhurnal,  
Vol 9, No 7, 1964, pp 745-758. 9233468  
AEC LA-tr-66-25

E P Barovik

Sci/Physics  
Aug 66

306,346

Comparison of the Efficiencies of Various Heat  
Exchangers of Liquefaction Machines, by  
E. S. Barovik, I. F. Mikhailov, et al.  
RUSSIAN, per, Ukrains'kyi Pis'michni Zurnal,  
Vol 9, No 7, 1964, pp 739-753. 791104666  
AEC LA-tr-66-26

83

E S Barovik

Sci/Physics  
Aug 66

306,321

Production of Ultrahigh Vacuum by Means of a Heated  
Hydrogen Condensation Pump, by E. S. Borovik,  
G. T. Nikolayev, et al, 13 pp.  
RUSSIAN, rpt, Kharkov, 1963. 9226600  
AEC-UCRL-Tr-1166 (L)

Sci-Engr  
Jan 65

271,813

The Generation of Pulse Magnetic Fields in Coils  
Cooled to Low Temperatures, by E.S. Borovik, A.G.  
Limar', 3 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXII, No 4, 1962,  
pp 441-444.

Amer Inst Phys  
Sov Phys - Tech Phys  
Vol VII, No 4

Sci

214,00

Oct 62

BCH, 1114-Procedure Area, by E. S. Lecowich, R. V. Hause,  
SAC.

ASSISTANT SECRETARY OF DEFENSE FOR INTERNATIONAL SECURITY  
AND POLITICAL AFFAIRS

AIR  
Sov 1972 - 1973  
Vol 72, No 1

See

AN - 1

Study of Feasibility of Obtaining High Magnetic Fields in Coils Cooled with Liquid Hydrogen, by  
S. G. Borovik, F. I. Busol, S. P. Grishin, p. op.

RUSSIAN ver, Zhur Tekh Fiz, Vol XXXI, No 4, 1955,  
pp 459-465.

AIP  
Sov Phys-Tech Phys  
Vol VI, No 4

Sci

170, 083

Sep 61

The Vapor Pressure of Nitrogen and Hydrogen at low  
Pressures, by E.S. Borovik, S.P. Grishin, E.Ya.  
Grishina, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXX, No 5, 1964,  
pp 539-545.

AIP  
Sov Phys-Tech Phys  
Vol 4, No 5

135, 507

Sci  
Dec 60

Hydrogen Condensation Pump With Built-In  
Liquefier, by E. S. Borovik, B. G. Lazarev,  
I. P. Mikhailov, 4 pp.

RUSSIAN, per, Atom Energ, Vol VII, No 2, 1959,  
pp 117-121.

CB

Sci

Apr 61

152, 477

Determination of Sulfur, Selenium and Halide  
Elements in Ores and Minerals by Spectrum Analysis  
Method of Spectrum Analysis of Solutions, by S. A.  
Borovik, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XIV,  
No 5, 1956, pp 630-633.

SLA 59-10541

Sci - Min/Met  
Sep 59  
Vol 2, No 2

98, 027

Determination of Calcium, Magnesium, Aluminum,  
Silicon, and Tin in Refined Platinum and Palladium,  
by S. A. Borovik, A. V. Babayeva, N. I. Ushakova,  
R. I. Rudyy, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XXXX, No 5,  
1979, pp 580-582.

Consultants Bureau

Sci - Chem  
Aug 59

93,780

Spectral Analytic Methods Applied to Geochemistry,  
by G. A. Dorovik, T. F. Dorovik-Kuzanova, 10 pp.

1977, 1000 pp., In Akad Nauk SSSR, Ser Fiz.,  
Vol 41, No 9, 1979, pp 665-689.

A-115 Ser T-14

Air Rec and  
Dev Command

T-22R

Scientific - Geophysics CTB/DEX

13,592

Concerning the Application of a High-Frequency Tesla  
Generator to the Quantitative Spectral Analysis of  
Solutions, by S. A. Borovik, T. F. Borovik-Romanova.

USSR, thrice-a year, Dok Ak Nauk, Vol LXXXIII, No 4,  
1950, pp 683-684.

AEC Tr 560

14,675

Scientific - Physics

Aug 1951 CTS

An II Automated Cycle for Liquefying Hydrogen  
Without Using a Gas Holder, by Ye. S. Borovik,  
I. F. Mikhaylov, 7 pp.

RUSSIAN, per, Khim Mash, No 1, 1961, pp 1-2.  
9676299

FID-TT-62-24

Sci - Chem

192, 689

Apr 62

Ionization of Fast Hydrogen Atoms in a Strong  
Magnetic Field, by Ye. S. Borovik and  
F. I. Busol, 5 pp.  
RUSSIAN, par, All USSR. Fiziko-Tekhnicheskiy  
Institut. Doklady, No 52, 1964, pp 3-6.  
P100253468-V  
PTD-HT-23-818-67

Sci-Physics  
Oct 63

366,145

Dependence of the Magnetic Susceptibility of Barium  
Tantalum on the Temperature, by Ye. S. Borovik, Yu. A.  
Kazalay, 4 pp.

RUSSIAN ver. Viz Metal i Metallof, Vol IX, No 1,  
1960, pp 36-40.

PP

Sci

156, 198

Jun 61

The Temperature Relationship of the Intensity of  
Magnetization of Hexagonal Ferrites in Weak Fields,  
by Ye. S. Borovik, Yu. A. Mamaluy, 4 pp.

RUSSIAN, par, Fiz Metal i Metallov, Vol IX, No 6,  
1950, pp 828-831.

PP

156, 156

Sci

Jun 61

galvanometric effects and the Properties of  
Conduction Electrons in Metals, by E. S. Borovik,  
1<sup>b</sup> pp.

RUSSIAN, mimeo per, Iz Ak Nauk SSSR, Ser Fiz.  
Vol XIX, No 4, 1955, pp 439-443.

Columbia Tech Tr

Sci - Physics  
Apr 57 CTS Avail Br 5 Lib

45, 611

Electric Conductivity of Metals at High Current Density,  
by Ye. S. Borovik.

full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,  
No 4, 1953, p 771.

REF 140

Scientific - Physics

CTS/DEX

8353

On the Interaction Between Anisotropy of the  
Hall Effect and Variations of the Magnetic  
Field. Part 1. Investigation of Tin and  
Indium, by E. S. Borovik, 10 pp.

Full tr

RUSSIAN, por, Fiz Metall i Metallovedenie SSSR,  
Vol II, No 1, 1956, pp 33-42.

Navy Tr 1443/NRL 596

Sci - Physics  
1443/596 CTS/dex Mar 1957

45-464

Changes in the Resistance of Tin and Indium in a  
Magnetic Field, by E. S. Borovik, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol  
LXIX, No 6, 1949, pp 767-769.

Sci Mus Lib No 56/3143

Sci - Physics 44,025

Hall Effect in Iodium, by E. S. Borovik, 5 pp.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXXIV, No 5,  
1950 , pp 639-641.

SLA Tr R-871

Sci - Chemistry

52, 352

Sep 57

Investigation of Breakdown in Vacuum, by E. S.  
Borovik, B. P. Batrakov, 8 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVIII, No 9,  
1958, pp 1971-1980.

Amer Inst of Phys  
Sov Phys - Tech Phys  
Vol III, No 9

Sci - Phys

May 59

87432

Vapor Pressure of Nitrogen and Hydrogen at Low  
Pressures, by E. S. Borovik, S. P. Grishin, et al., 12 pp.  
RUSSIAN, rpr.  
AEC-ORNL-Tr-157

P 160

Sci-Phys  
Mar 65

274,364

Investigation of Galvanomagnetic Phenomena in  
Chromium at Low Temperatures, by E. S. Borovik,  
V. G. Volotskaya, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVI  
(9), No 6, 1959, pp 1650-1655.

Amer Inst of Phys  
Sov Phys-JETP

Sci

Jan 60

106, 782

<p>Borovik, E. S., Dusol, P. L., and Grishin, S. F. INVESTIGATION OF THE POSSIBILITY OF OBTAINING STATIONARY MAGNETIC FIELDS IN COILS COOLED BY LIQUID HYDROGEN. [1962] 14p. (refs. omitted). Order from OTS or SLA \$1.60</p> <p>Trans. of unidentified mon. [by Soviet Scientists on the occasion of the visit to Project Matterhorn, May 60] paper no. 13. Another trans. is available from OTS \$0.50 as AEC-tr-4070, Apr 61, 17p.</p> <p>DESCRIPTION: "Coils, Magnetic fields, Coolants, Hydrogen, Liquefied gases.</p> <p>For abstract see Technical Translations p. 219, 1961.</p> <p>(Physics--Magnetism, TT, v. 10, no. 2)</p>	<p>63-10210</p> <p>I. Borovik, E. S. II. Dusol, P. L. III. Grishin, S. F.</p>	
---	---	--

Hydrogen Condensation Pump With Built-In  
Liquefier, by E. S. Borovik, B. G. Lazarev,  
I. F. Mikhailov, 4 pp.

RSSSIAM, per, Atom Energy, Vol VII, No 2, 1959,  
pp 117-121.

CB

Sci

Apr 61

152, 477

Investigation of the Possibility of Obtaining  
Stationary Magnetic Fields in Coils Cooled by  
Liquid Hydrogen, by E. S. Borovik, P. I. Basol,  
S. P. Grishin, 34 pp.

RUSSIAN, paper, 1960.

ABC Tr-4070

Sci - Chem  
Apr 61

149,040

The Limiting Vacuums of Condensation Pumps, by  
I. S. Barovik, S. F. Grishin, B. G. Lazarev,  
4 pp.

MUSSIAH, per, Pribyr, Tekhnika, No 1, 1960,  
pp 115-117.

DBA

Sci

1.10, 530

Mar 61

Ball Effect in Beryllium and Aluminum at Low  
Temperatures, by E. S. Borovik, 8 pp. UNCLASSIFIED

RUSSIAN, no per, Zhur Khim i Teoret Fiz SSSR.  
Vol XXIII, No 1 (?), 1952, pp 83-90.

Navy Tr 952/ERL 462

Scientific - Min/Metals

Feb 54 CTB

10, 191

Change of Resistance of Metals in a Magnetic Field  
at Low Temperatures, by E. S. Borovik, 9 pp.  
UNCLASSIFIED

RUSSIAN, no per, Zbir Knesper i Teoret Fiz SSSR.  
Vol XXIII, No 1 (7) 1952, pp 91-100.

Navy Tr 953/NRL 463

Scientific - Min/Metals Feb 54 CTS

10, 190

The Hall Effect and Variation of Resistance of  
Lead, Copper, and Magnesium in the Magnetic Field,  
by E. S. Borovik, 14 pp. UNCLASSIFIED

RUSSIAN, per, Zbirn Kkspes i Tseret Pis, Vol XXVII,  
No 3 (9), 1954, pp 355-368.

23,368  
Navy Dr 1163/MIL 513

Scientific - Physics  
Apr 55 CTS

23,368

An Investigation of a Supersonic Jet of Carbon Dioxide  
as a Target for Charge Transfer of Ions, by E. S. Borovik  
P. I. Busol, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXIII, No 8, 1967,  
pp 973-981.

Amer Inst of Phys  
Sov Phys - Tech Phys  
Vol VIII, No 7

Sci  
Feb 64

249,177

Interrelation Between the Anisotropy of the Hall Effect and the Change in Resistance of Metals in a Magnetic Field, I. Investigation of Zinc, by N. S. Borovik, 9 pp.

RUSSIAN, no per, Zhur Eksp i Teoret Fiz, Vol XIX,  
No 2, Jan 1956, pp 262-271.  
Feb

Amer Inst of Physics  
Vol III, No 2  
Soviet Physics, JETP

46, 497

Sci - Physics  
Apr 57 CTS

A Hydrogen Condensation Pump, by B. O. Lazarev,  
E. S. Borovik, M. P. Fedorova, N. M. Tsyn, 11 pp.  
UNCLASSIFIED

UKRAINIAN, no per, Ukrains'kiy Fiz Zhur, Vol II.  
No 2, Kiev, 1957, pp 175-182.

US JPRS/NY-L-203

Sci - Engr  
Jun 58

64, 349

Production of Long-Duration Pulsed Magnetic Fields; by  
E.S. Borovik, A.G. Limar, 4 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXXI, No 8, 1961.  
pp. 939-943.

AIP  
Sov Phys -Tech Phys  
Vol VI, No 8

191,901

Sci  
Mar 02

5

Determination of the Composition of Residual  
Gases in Vacuum Obtained by Condensation Pumps,  
by E. S. Borovik, S. F. Grishkin, 6 p.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 9, 1953  
pp 1110-1116.

Amer Inst of Phys  
Sov Phys-Tech Phys  
Vol IV, No 9

112, 407

Sci Apx 60

Cloud Physics, by A. M. Barnaby, A. H. Kingston, 202 pp.  
BUSHNELL, MR., PUBLISHER, 1961.

OTS -42-2242  
PL-400

Sci - Phys  
Feb 64

200,277

The Decay Scheme of Dy<sup>160</sup>, by L. I. Ruzinov, A. V.  
Borovikov, V. S. Gvozdev, et al, 4 pp.

RUSSIAN, per, Zhur Ekspерт Teoret Fiz, Vol XXXIV,  
No 6 (2), 1960, pp 1529-1533.

AIP  
soviet Page - 3511  
Vol XII, No 6

Sci

160, 20%

vol 61

Large Particles in clouds, by A. N. Korovikov,  
A. I. Levin, 3 pp.  
~~AIA, por. 1961. Measuring methods  
geocorological objects over the sky. Landmarks.~~  
al 5, 1963, pp 73-82.  
U-101-24-277-62

ci-  
on 61

361.205

Some Results of Radar Observations of the Development of Cumulus Clouds and the Results of Modification, by A. M. Borovikov and V. V. Zastrev, et al., 24 p.  
RUSSIAN, per, Trudy, Tsentral'naya Aerologicheskaya Observatoriya, Moscow, No 37, 1964, pp 76-  
80. 3700417  
APCRL T-R-S10

66

Sci-Bar Sci  
May 66

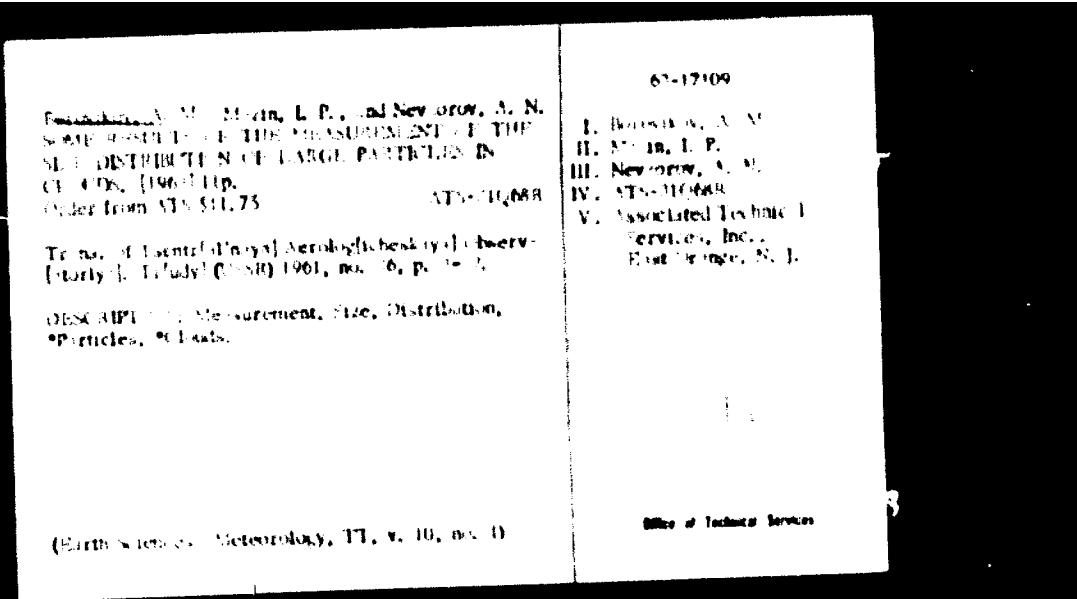
301,267

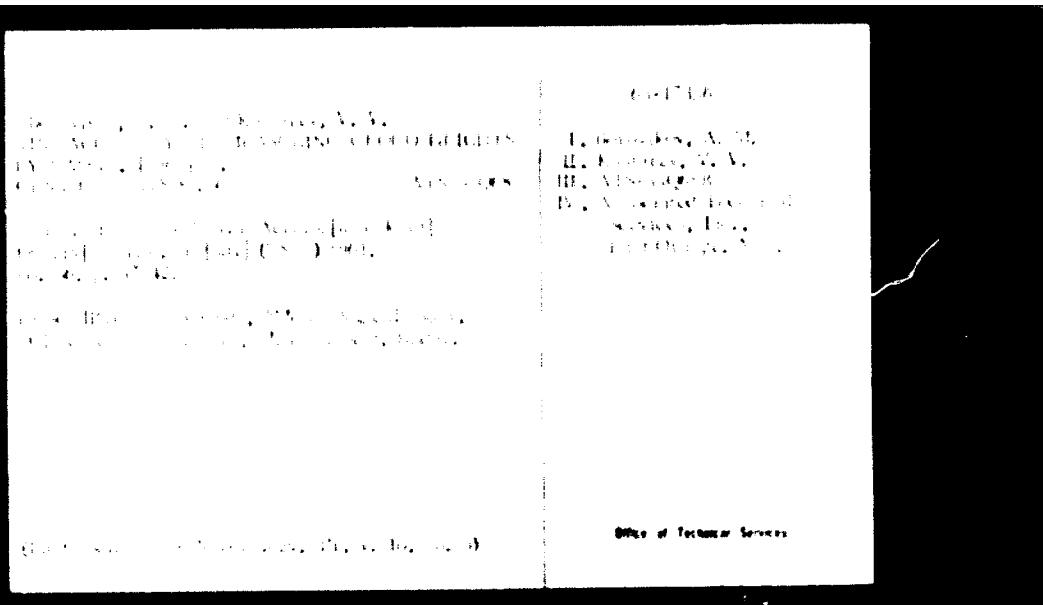
The Accuracy of Measuring Cloud Heights by  
Radar, by A. M. Borovikov, V. V. Ermakov.  
RUSSIAN, per, Troy Technical Analog Group,  
No 36, 1961, pp 37-42.  
ATE-BJ-5334

A. M. Borovikov

Sci-Atmos Sci  
Mar 70

403,192





(DC-6728)

Physics of Clouds, by A. M. Borovikov,  
I. I. Gayvoronskiy, et al, 6 pp.

RUSSIAN, per, Met 1 Gid, No 2, 1962, pp 62-63.

JPRS 13654

Sci - Geophys  
May 62

194, 261

Investigation of the Decay Scheme for  $Hf^{181}$ , by  
A. V. Borovikov, V. S. Groshev, I. A. Kondurov,  
5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol  
XXIII, No 12, 1959, pp 1437-1441.

Columbia Tech

Sci  
Feb 61

138, 113

RESULTS OF REDUCTION OF CONCENTRATIONS OF THE  
MICRO-STRUCTURE OF CLOUDS WITH ICE ACCRETION AND  
WITHOUT ICE ACCRETION ON AIRCRAFT, BY I. O.  
PCHELIKO, A. N. БЕРОВИЧ.

RUSSIAN, PER, TRUDY INSTITUT PROGNOZOV,  
NO 80, 1929, PP 60-70.

NLL N. 3750

SCI - GEOPHYS

OCT 62

214,160

(C-1-1)

U. S. Bur. of Meteorology Circular 103  
Structure of Clouds, by A. M. Borovikov,  
V. V. Kostarev, et al, 6 pp.

RUSSIAN, per, Dok At: Nauk SSSR, Vol CCL, no 3,  
1961, pp 575-576.

JPRS L3095

Sci - Geophys  
Apr 62

190, 5-2

Cambrian Deposits in the Kandyktas Mountains  
(Southern Kazakhstan), by L. I. Borovikov, L. N.  
Krys'kov, 3 pp,  
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science  
Sections, Vol CLI, No 1-6, Jul, Aug 1963, pp

Amer Geol Inst

Sci  
Jul 65

Phase Shift Analysis of pp Scattering at 95 Mev, by  
V. A. Borovikov, I. M. Gel'fand, A. F. Grashin, 5 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XI No 4,  
1961, pp 1106-1111.

AIP  
Sov Phys - JETP  
Vol XIII, No 4

169, 4 *90*

Sc 1  
Sep 61

The Comparative Effectiveness of Subcutaneous and  
Intramuscular Injections of Tetanus Toxoid in  
Vaccinating Persons Against Tetanus, by D. P.  
Platnityi, E. M. Sover, A. N. Monayenkov, E. R.  
Borovikova, A. S. Labinskaya, 7 pp.

RUSSIAH, no per, Zhur Microbiol, Epidemiol i  
Imunobiol, Vol XVIII, No 4, 1957, pp 1-9.

Pergamon Press

Sci - Medicine  
Jan 58

57, 250

The  $L_{3,1}$  and  $L_{3,2}$  Lines of Germanium, by G. P.  
Borovikova, M. I. Korsunskiy, 2 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXXIV,  
No 6, 1957, pp 1192-1195.

Amer Inst of Phys  
Sov Phys, "Doklady"  
Vol II, No 3

Sci - Phys

58, 571

Mar 50

The Effect of Small Amounts of Gallium Impurities  
on the Positions of  $L_{d1,2}$  and  $L_{36}$  Emission Lines  
of Germanium, by M. I. Korsunskiy, L. S. Litvinova,  
G. P. Borovikova, 2 pp.

RUSSIAN, per, Pis'ma v Verdogo Tela, Vol III, No 1,  
1961, pp 282-285.

ALP  
Sov Phys-Solid State  
Vol III, No 1

Sci  
Jul 61

161, 184'

Investigation of the L-Series of Germanium. Influence  
of Impurities, by G. P. Borovikova, N. T. Kabanova,  
5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XIIII,  
No 5, 1959, pp 564-568.

Columbia Tech Tr

Set  
Aug 60

124-207

L Series X-Ray Spectrum of Germanium, by G. P.  
Borovikova, M. I. Korsunskiy, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XII,  
No 10, 1957, pp 1435-1444.

Columbia Tech

Sci - Phys

Feb 59

80, 890

On the Lines Associated with the  $L_{1,2}^{\alpha}$  and  $L_1^{\beta}$  Lines  
of the Germanium Spectrum, by O. P. Sorovikova, M. I.  
Korsunsky, 3 pp.

RUSSIAN, 1957, Dok Ak Nauk SSSR, Vol CXV, No 1, 1957,  
pp 75-77.

AM Amer Inst of Phys  
Sov Phys - Doklady  
Vol II, No 4

Sci - Phys

May 58

63,689

Hydrogenation of Unsaturated Compounds in the  
Presence of Colloidal Palladium. XIII.  
Hydrogenation of Carbocyclic Snyne Hydrocarbons,  
by Kh. V. Bal'yan, N. A. Borovikova, 8 pp.

RUSSIAN, ref. Zhur Obshch Khim, Vol XXIX, № 9,  
1959, pp 2822-2888.

CB

Sci

129,276

Sep 60

Hydrogenation of Unsaturated Compounds in the  
Presence of Colloidal Palladium. XII. Hydrogenation  
of Alkylacetylenes and Phenylacetylene, by Kh. V.  
Bal'yan, N. A. Borovikova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8,  
1959, pp 2557-2559.

Consultants Bureau

Sci

Aug 60

126,709

Hydrogenation of Unsaturated Compounds in the  
Presence of Colloidal Palladium. XI.  
Hydrogenation of Vinylacetylene, by Kh. V.  
Bal'yan, N. A. Borovikova, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8,  
1959, pp 2553-2556.

Consultants Bureau

Sci

Aug 60

126,708

Hydrogenation of Unsaturated Compounds in the Presence  
of Colloidal Palladium, XIV. Some Characteristics of  
the Hydrogenation of Disubstituted Allene Hydrocarbons,  
by Dr. V. Mal'yan, A. A. Petrov, N. A. Borovikova, 6 pp.

RUSSIAN, JER, Zhur Obshch Khim, Vol XXX, No 10,  
1960, pp 3247-3252.

CB

171, 733

Sc1

Oct 61

FINANCIAL AND CREDITORS OF CAPITAL ASSOCIATES  
IN COMMUNIST CONFIDENTIAL SOURCE BY P. [REDACTED]  
AND V. [REDACTED], 13 PP.

RECORDED, FILED, SERIALIZED & INDEXED, NO 7, JULY 1968.  
PP 61-62.

JWB 27/6

WASH. D.C.  
NW 6

100-27

13 068

In-1 • US-7

BOROVIK-ROMANOV A. S.

Piezomagnetism in antiferromagnetic cobalt and manganese  
fluorides

• Zhur. Eksppl'. i Teoret. Fiz., 38, No. 4, 1088-1098 (1960)

In-1: 370/60 - English

• US-7: English

E u r a t o m

<p>Borovik-Romashov, A. S., Orlova, M. P., and Strelkov, P. G. MAGNETIC AND THERMAL PROPERTIES OF THREE MODIFICATIONS OF SOLID OXYGEN [1960] 72 16 refs Order from U.S. A. mst 50 UCRL 554 Trans. of Akademiya Nauk SSSR, Doklady, 1954 v. 99, no. 3, p. 699-702</p> <p>Solid oxygen was studied to verify the thermal and magnetic peculiarities of paramagnets with strong magnetic action between the magnetic moments, and to confirm the hypothesis that under temperatures above -180° the oxygen is antiferromagnetic. Vacuum calorimetry measurements in the vicinity of the 3 phase transition point of oxygen indicated that the <math>\Delta E^2</math> transition is of type I, and the <math>\Delta E^2</math> transition of type II (however, the heat capacity peak was sharp and its width extended to the resolving power limit of the vacuum calorimeter without adiabatic compensation). (Chemistry, Physical, PT v. 3, no. 12) (Over)</p>	<p>61-1916</p> <p>1 Oxygen - Thermodynamic properties 2 Oxygen - Magnetic properties 3 Title: Solid oxygen I Borovik-Romashov, A. S. II Orlova, M. P. III Strelkov, P. G. IV UCRL Trans 554 V Lawrence Radiation Lab., U. of California, Berkeley</p> <p>Office of Technical Services</p>
---	---

Determination of the Main Components of  
Clay, Spectrographically, by E. E. Vaynshtein,  
T. V. Borovik-Romanov, V. V. Korolev, 6 pp.

RUSSIAN, bimo per, Zhur Anal Khim, Vol X,  
No 3, 1955, pp 158-163. CIA D 323547

Consultants Bureau

Scientific - Chemistry  
CTS 73/Oct 1955

27,878

Affect of Bulk Composition on the Entry of Individual Test Elements Into the Arc Flame, by T. P. Borovik-Romanova, 6 pp.

RUSSIAN, bimo per, Zhur Anal Khim, Vol XI, No 2, Mar/Apr 1956, pp 129-134. CIA 9001312 C, Reel No 55

Consultants Bureau

Sci - Chemistry

40, 82/

Determination of Rare and Trace Elements in  
Soils, Plants and Waters, by T. F. Borovik-  
Romanova, Yu. I. Belyayev, et al, 50 pp.

RUSSIAN, bk, Spektral'noye Opredeleniye  
Redkikh i Rasseyanniykh Elementov, Iz Ak  
Nauk SSSR, Moscow, 1962, pp 204-238.  
9683272

FID-TT-63-280

Sci-Chem  
Jun 63

234,534

✓ On the Use of an Activated AC Arc for Spectroscopic Determinations of Alkali and Alkali Earth Elements in Natural Waters, by T. F. Borovik-Romanova, V. V. Korolev, Yu. I. Kutsenko, M. M. Farafonov, 2 pp.

Full tr

RUSSIAN, bina per, Iz Ak Nauk, Ser Fiz, Vol AIX, No 2, 1955, p 196. CIA C 42795

35, 85-3 Columbia Tech Tr

Scientific - Physics, Min/Metals, ~~Mineralogical~~ Jun St CTG/dex

10 025

Fr-1

A. S. BOROVIK-ROMANOV, N. M. KREINES

Passage from the antiferromagnetic state to the ferromagnetic  
state  $\text{CoSO}_4$

Passage de l'état antiferromagnétique à l'état ferromagnétique  
dans  $\text{CoSO}_4$

Zhur. Ekspl'. i Teoret. Fiz., 35, 1035-1055 (1958)

CIA-tr-R-519, French

B u r a t o m

A New Type of a Gas Thermometer and the Determination  
of the Boiling Point of Hydrogen, by A. A.  
Borovik-Romanov, P. G. Strelkov, 6 pp.

RUSSIAN, per, Dok Ak nauk SSSR, Vol LXXXIII, 1952,  
pp 59-61.

AEC Tr 3233

Sci - Physics  
Jun 58

65°, 95°

Antiferromagnetic Resonance in MnCO<sub>3</sub>, by A.S.Borovik-Romanov,  
N. M. Kreines, et al, 5 pp.  
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XLV, No 2,  
1963, pp 64-70.

Amer Inst of Phys  
Sov Phys - JETP  
Vol XVIII, No 1

Sci

Feb 64

249,304

The Antiferromagnetism of Anhydrous Sulfates of  
 $Mn^{++}$ ,  $Fe^{++}$ ,  $Co^{++}$  and  $Cu^{++}$ , by A. S. Borovik-Rozanov,  
V. R. Marasik, N. M. Krasnos, 6 pp.

RUSIAN, no par, Zhur Eksp i Teoret fiz, Vol XXXI,  
No 1, 1956, pp 18-24.

Amer Inst of Physics  
Soviet Physics, JETP  
Vol IV, No 1

Sci - Physics  
Apr 57 CMS

46,727

Differences in the Relation Between Resistance and  
Temperature of Several Brands of Platinum in the  
Range of 10.8 to 273.16°K, by D. I. Sharevskaya,  
P. G. Stralkov, A. S. Borovik-Borannov, 5 pp.

RUSSIAN, per, Izmeritel Tekh, No 7, 1960, pp 34-38.

ISA

Sci -  
Apr 61

146,452

Establishment of a Practical Temperature Scale in  
the Range of 10-90°K, by A. S. Borovik-Romanov,  
M. P. Orlov, P. G. Strelkov, 8 pp.

RUSSIAN, per, Izmeritel Tekh, No 12, 1959,  
pp 28-32.

Instru Soc of Amer

Sci

Oct 60

130,573

Evolving a Practical Temperature Scale in the Region of 10-90°K, by D. N. Astrov, A. S. Borovik-Romanov, M. P. Orlova, P. G. Strelkov, + pp.

RUSSIAN, per, Izmeritel Tekh, No 11, 1959, pp 35-38.

Instru Soc of Amer

Sci  
Oct 60

128,599

INVESTIGATION OF WEAK FERROMAGNETISM IN THE  
MnCO<sub>3</sub> SINGLE CRYSTAL, by A. S. Borovik-Romanov,  
11 pp.

RUSSIAN, per, Zhur Skoper i Teoret Fiz, Ak Nauk  
SSSR, Vol XXXVI (9), No 3, 1954, pp 766-781.

AIP  
Sci Phys - JETP

Sci - Phys  
Oct 59

100,01.2

Magnetic Properties of Cobalt and Manganese  
Carbonates, by A. S. Borovik-Romanov, M. P.  
Orlova, 3 pp.

RUSSIAN, per, Zhur Ekspres i Teoret Fiz, Vol XXXI,  
No 4, 1956, pp 579-583.

Amer Inst of Phys  
Soviet Phys, JETP  
Vol IV, No 4

Sci - Physics  
Jun 57

48, 779

Piezomagnetism in the Antiferromagnetic Plumbides of Cobalt and Manganese, by A.S. Borovik-Romanov, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII, No 4, 1960, pp 1088-1098.

ATP  
Sov Phys - JETP  
Vol XI, No 4

132-14-7

Sci  
Nov 60

11 809

US-4 US-5

BOROVIK-ROMANOV A. S.

Magnetic susceptibility of solid oxygen at low temperatures

Zhur. Eksptl', i Teoret. Fiz., 21, 1303-1308 (1951)

UCRL-Trans-555. \$ 3.30 (ph), \$ 2.40 (mf) - English

E u r a t o m

Magnetic and Thermal Properties of Three  
Modifications of Solid Oxygen, by A. S.  
Borovik-Romanov, M. P. Orlova, P. G. Streikov,  
7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, 1954,  
pp 699-702.

ABC UCRL-Trans -554

Sci - Chem  
10 Nov 60  
List 45

131, 406

Passage de L'Etat Antiferromagnetique a  
L'Etat Ferrromagnetique Dans Co<sub>3</sub>O<sub>4</sub>, (Passage from  
the Antiferromagnetic State to the Ferromagnetic  
State in Co<sub>3</sub>O<sub>4</sub>), by A. S. Borovik-Romanov,  
N. M. Gelman, 5 pp.

RUSSIAN to FRENCH, per, Zhur Ekspor i Teoret Fiz,  
vol XXXV, 1953, pp 1035-1055.

Reverse Trans  
CEA tr-R-519

S&I - Pg 6  
Rev - 0

A Precision Mercury Manometer, by D. N. Kst. et.,  
A. S. Borovik-Romanov, 3 pp.

RUSSIAN, per, Pribory i Tekh Eksper, No 1,  
1950, p. 132, 133.

Instru Soc of Amer

Sci

Appl. Sci

113,535